

Gregory, Bernarr

From: PLUS
Sent: Wednesday, March 09, 2005 8:51 AM
To: Gregory, Bernarr
Subject: PLUS Results for 10675596

Here are the PLUS search results for 10675596.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



10675596_QUAL.txt



10675596_LIST.txt



10675596_WEST.txt



10675596_EAST.txt



10675596.east



10675596_CLS.txt



10675596_CLSTITLES.i



10675596_WDS.txt

xt

10675596_QUAL

6347762 50
6061068 49
5812083 49
5473331 49
5903473 47
5260709 46
5826819 46
6535816 45
4470818 44
6154174 44
5686690 44
6157875 44
4885977 43
5273236 43
6402031 43
4494437 43
5274236 43
5344105 43
5354057 43
4791427 42
4281809 42
5275354 42
H001916 42
5432546 41
5456157 41
5184137 41
5185608 41
5223842 41
5225838 41
5225839 41
5245347 41
6330373 41
4279599 41
5579009 41
5341439 40
6370475 40
5036748 40
6044747 40
5424741 40
5641288 39
4546355 39
4563686 39
4989186 39
5949015 39
5747719 38
5194008 38
5427328 38
4524675 38

10675596_QUAL

H000713 38
6037899 38
6796213 38
4767649 38
5539411 38
5483865 38
5808580 38
5735526 38
5835901 38
5552705 38
5786889 38
5449307 38
5458041 37
6287765 37
6405132 37
4319242 37
4991183 37
6114984 37
6774366 37
6400306 37
4470817 37
4561775 37
5249501 37
5455590 37
6597304 37
6079665 37
4773078 37
4899956 37
5806229 37
5245909 37
4160415 36
4326463 36
4923401 36
4923402 36
5194006 36
5281142 36
5299227 36
5379966 36
6044765 36
6199471 36
6691947 36
6222933 36
6222933 36
6604064 36
4527151 36
4326272 36
4400695 36
4401980 36

10675596_QUAL

4458240 36
5001650 36
4606724 36
5499030 36
4478581 36
5984810 36
5255608 36
4398466 36
4836672 36
5025149 36
5179382 36
5208418 36
5214584 36
5310136 36
5677506 36
5823779 36
5980254 36
6750806 36
5736956 35
5557283 35
5815121 35
5056740 35
5255509 35
5369599 35
5446461 35
5789622 35
4336018 35
5818383 35
5867118 34
4504232 34
4546354 34
4597574 34
5345238 34
5519941 34
5720111 34
5955698 34
H001938 34
6196496 34
6322365 34
6496593 34
5381151 34
4282527 34
4422646 34
4546983 34
4605232 34
5831206 34
6767015 34
5323186 34

10675596_QUAL

5999210 34
6072572 34
6198501 34
4143971 34
4253670 34
4375725 34
5456035 34
5722193 34
5795988 34
4137651 34
4456262 34
3888022 34
4349337 34
4810224 34
5035622 34
5483362 34
5599187 34
5760887 34
5815936 34
5940523 34
5974940 34
6040854 34
6307500 34
6769347 34
5267329 34
4865328 33
4307650 33
4353284 33
4781593 33
5181673 33
5408541 33
5474837 33
5605744 33
6172758 33
5485277 33
4350886 33
4608566 33
5483066 33
4925301 33
4767209 33
5267220 33
5336899 33
5507452 33
5657947 33
5866838 33
6028723 33
6469624 33
4394658 33

10675596_QUAL

6199469 33
5847675 33
4488249 33
4422758 33
5841059 32
5546084 32
6283756 32
6841994 32
6476610 32
5553846 32
4242962 32
4245560 32
4245559 32
4758838 32
5491546 32
6160251 32
6419636 32
6720907 32
4903309 32
4905292 32
6512478 32
5561431 32
5300780 32
6362775 32
5363235 32
5367333 32
5373318 32
5644386 32
4481000 32
5198607 32
4515478 32
4566367 32
4586715 32
4854238 32
5001982 32
5448847 32
6215731 32
6215731 32
6621764 32
6765160 32
4811308 32
5379967 32
5742250 32
5767802 32
6499382 32
6705573 32
6282301 32
5065032 31

10675596_QUAL

5291018 31
5751006 31
6297844 31
6469734 31
4450444 31
4521861 31
5289189 31
4766393 31
4315609 31
4616554 31
4624641 31
4632012 31
4870904 31
4922801 31
4964591 31
5210371 31
5231928 31
5247867 31
5341141 31
5457310 31
5586887 31
5597136 31
5816817 31
6174169 31
6439892 31
6723974 31
4490719 31
6501705 31
4262596 31
4521196 31
4534735 31
5301614 31
6003809 31
4028991 31
4330129 31
4471683 31
4524697 31
4823139 31
4936190 31
4949089 31
4967641 31
5227796 31
5585592 31
5608514 31
6075480 31
6256916 31
6259090 31
6360645 31

10675596_QUAL

3698091 31
3648636 31
3638321 31
3637315 31
3811379 31
3798420 31
4016652 31
4034273 31
4143836 31
4156981 31
4172409 31
4086711 31

96

PLUS Search Results for S/N 10675596, Searched March 09, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search

system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are

most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

6347762	6796213	4478581	5456035	6476610	4624641
6061068	4767649	5984810	5722193	5553846	4632012
5812083	5539411	5255608	5795988	4242962	4870904
5473331	5483865	4398466	4137651	4245560	4922801
5903473	5808580	4836672	4456262	4245559	4964591
5260709	5735526	5025149	3888022	4758838	5210371
5826819	5835901	5179382	4349337	5491546	5231928
6535816	5552705	5208418	4810224	6160251	5247867
4470818	5786889	5214584	5035622	6419636	5341141
6154174	5449307	5310136	5483362	6720907	5457310
5686690	5458041	5677506	5599187	4903309	5586887
6157875	6287765	5823779	5760887	4905292	5597136
4885977	6405132	5980254	5815936	6512478	5816817
5273236	4319242	6750806	5940523	5561431	6174169
6402031	4991183	5736956	5974940	5300780	6439892
4494437	6114984	5557283	6040854	6362775	6723974
5274236	6774366	5815121	6307500	5363235	4490719
5344105	6400306	5056740	6769347	5367333	6501705
5354057	4470817	5255509	5267329	5373318	4262596
4791427	4561775	5369599	4865328	5644386	4521196
4281809	5249501	5446461	4307650	4481000	4534735
5275354	5455590	5789622	4353284	5198607	5301614
H001916	6597304	4336018	4781593	4515478	6003809
5432546	6079665	5818383	5181673	4566367	4028991
5456157	4773078	5867118	5408541	4586715	4330129
5184137	4899956	4504232	5474837	4854238	4471683
5185608	5806229	4546354	5605744	5001982	4524697
5223842	5245909	4597574	6172758	5448847	4823139
5225838	4160415	5345238	5485277	6215731	4936190
5225839	4326463	5519941	4350886	6215731	4949089
5245347	4923401	5720111	4608566	6621764	4967641
6330373	4923402	5955698	5483066	6765160	5227796
4279599	5194006	H001938	4925301	4811308	5585592
5579009	5281142	6196496	4767209	5379967	5608514
5341439	5299227	6322365	5267220	5742250	6075480

10675596_LIST

6370475	5379966	6496593	5336899	5767802	6256916
5036748	6044765	5381151	5507452	6499382	6259090
6044747	6199471	4282527	5657947	6705573	6360645
5424741	6691947	4422646	5866838	6282301	3698091
5641288	6222933	4546983	6028723	5065032	3648636
4546355	6222933	4605232	6469624	5291018	3638321
4563686	6604064	5831206	4394658	5751006	3637315
4989186	4527151	6767015	6199469	6297844	3811379
5949015	4326272	5323186	5847675	6469734	3798420
5747719	4400695	5999210	4488249	4450444	4016652
5194008	4401980	6072572	4422758	4521861	4034273
5427328	4458240	6198501	5841059	5289189	4143836
4524675	5001650	4143971	5546084	4766393	4156981
H000713	4606724	4253670	6283756	4315609	4172409
6037899	5499030	4375725	6841994	4616554	4086711

10675596 WEST

(6347762 6061068 5812083 5473331 5903473 5260709 5826819 6535816 44708
18 6154174 5686690 6157875 4885977 5273236 6402031 4494437 5274236 534
4105 5354057 4791427 4281809 5275354 H001916 5432546 5456157 5184137 5
185608 5223842 5225838 5225839 5245347 6330373 4279599 5579009 5341439
6370475 5036748 6044747 5424741 5641288 4546355 4563686 4989186 59490
15 5747719 5194008 5427328 4524675 H000713 6037899).pn.
(6796213 4767649 5539411 5483865 5808580 5735526 5835901 5552705 57868
89 5449307 5458041 6287765 6405132 4319242 4991183 6114984 6774366 640
0306 4470817 4561775 5249501 5455590 6597304 6079665 4773078 4899956 5
806229 5245909 4160415 4326463 4923401 4923402 5194006 5281142 5299227
5379966 6044765 6199471 6691947 6222933 6222933 6604064 4527151 43262
72 4400695 4401980 4458240 5001650 4606724 5499030).pn.
(4478581 5984810 5255608 4398466 4836672 5025149 5179382 5208418 52145
84 5310136 5677506 5823779 5980254 6750806 5736956 5557283 5815121 505
6740 5255509 5369599 5446461 5789622 4336018 5818383 5867118 4504232 4
546354 4597574 5345238 5519941 5720111 5955698 H001938 6196496 6322365
6496593 5381151 4282527 4422646 4546983 4605232 5831206 6767015 53231
86 5999210 6072572 6198501 4143971 4253670 4375725).pn.
(5456035 5722193 5795988 4137651 4456262 3888022 4349337 4810224 50356
22 5483362 5599187 5760887 5815936 5940523 5974940 6040854 6307500 676
9347 5267329 4865328 4307650 4353284 4781593 5181673 5408541 5474837 5
605744 6172758 5485277 4350886 4608566 5483066 4925301 4767209 5267220
5336899 5507452 5657947 5866838 6028723 6469624 4394658 6199469 58476
75 4488249 4422758 5841059 5546084 6283756 6841994).pn.
(6476610 5553846 4242962 4245560 4245559 4758838 5491546 6160251 64196
36 6720907 4903309 4905292 6512478 5561431 5300780 6362775 5363235 536
7333 5373318 5644386 4481000 5198607 4515478 4566367 4586715 4854238 5
001982 5448847 6215731 6215731 6621764 6765160 4811308 5379967 5742250
5767802 6499382 6705573 6282301 5065032 5291018 5751006 6297844 64697
34 4450444 4521861 5289189 4766393 4315609 4616554).pn.
(4624641 4632012 4870904 4922801 4964591 5210371 5231928 5247867 53411
41 5457310 5586887 5597136 5816817 6174169 6439892 6723974 4490719 650
1705 4262596 4521196 4534735 5301614 6003809 4028991 4330129 4471683 4
524697 4823139 4936190 4949089 4967641 5227796 5585592 5608514 6075480
6256916 6259090 6360645 3698091 3648636 3638321 3637315 3811379 37984
20 4016652 4034273 4143836 4156981 4172409 4086711).pn.

10675596_EAST

(6347762
6061068
5812083
5473331
5903473
5260709
5826819
6535816
4470818
6154174
5686690
6157875
4885977
5273236
6402031
4494437
5274236
5344105
5354057
4791427
4281809
5275354
H001916
5432546
5456157
5184137
5185608
5223842
5225838
5225839
5245347
6330373
4279599
5579009
5341439
6370475
5036748
6044747
5424741
5641288
4546355
4563686
4989186
5949015
5747719
5194008
5427328
4524675

10675596_EAST

H000713
6037899) .pn.
(6796213
4767649
5539411
5483865
5808580
5735526
5835901
5552705
5786889
5449307
5458041
6287765
6405132
4319242
4991183
6114984
6774366
6400306
4470817
4561775
5249501
5455590
6597304
6079665
4773078
4899956
5806229
5245909
4160415
4326463
4923401
4923402
5194006
5281142
5299227
5379966
6044765
6199471
6691947
6222933
6222933
6604064
4527151
4326272
4400695
4401980

10675596_EAST

4458240
5001650
4606724
5499030) .pn.
(4478581
5984810
5255608
4398466
4836672
5025149
5179382
5208418
5214584
5310136
5677506
5823779
5980254
6750806
5736956
5557283
5815121
5056740
5255509
5369599
5446461
5789622
4336018
5818383
5867118
4504232
4546354
4597574
5345238
5519941
5720111
5955698
H001938
6196496
6322365
6496593
5381151
4282527
4422646
4546983
4605232
5831206
6767015
5323186

10675596_EAST

5999210
6072572
6198501
4143971
4253670
4375725) .pn.
(5456035
5722193
5795988
4137651
4456262
3888022
4349337
4810224
5035622
5483362
5599187
5760887
5815936
5940523
5974940
6040854
6307500
6769347
5267329
4865328
4307650
4353284
4781593
5181673
5408541
5474837
5605744
6172758
5485277
4350886
4608566
5483066
4925301
4767209
5267220
5336899
5507452
5657947
5866838
6028723
6469624
4394658

10675596_EAST

6199469
5847675
4488249
4422758
5841059
5546084
6283756
6841994) .pn.
(6476610
5553846
4242962
4245560
4245559
4758838
5491546
6160251
6419636
6720907
4903309
4905292
6512478
5561431
5300780
6362775
5363235
5367333
5373318
5644386
4481000
5198607
4515478
4566367
4586715
4854238
5001982
5448847
6215731
6215731
6621764
6765160
4811308
5379967
5742250
5767802
6499382
6705573
6282301
5065032

10675596_EAST

5291018
5751006
6297844
6469734
4450444
4521861
5289189
4766393
4315609
4616554) .pn.
(4624641
4632012
4870904
4922801
4964591
5210371
5231928
5247867
5341141
5457310
5586887
5597136
5816817
6174169
6439892
6723974
4490719
6501705
4262596
4521196
4534735
5301614
6003809
4028991
4330129
4471683
4524697
4823139
4936190
4949089
4967641
5227796
5585592
5608514
6075480
6256916
6259090
6360645

10675596_EAST

3698091
3648636
3638321
3637315
3811379
3798420
4016652
4034273
4143836
4156981
4172409
4086711) .pn.

10675596_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 10675596 on March 09, 2005

Original Classifications

10	434/22
8	434/20
7	382/103
6	89/41.05
6	273/348.1
5	89/1.11
5	102/213
5	434/11
4	244/3.15
4	244/3.16
4	342/179
4	342/90
4	434/21
3	244/3.11
3	244/3.14
3	244/3.17
3	342/62
3	367/128
3	434/19
2	89/1.56
2	89/41.06
2	89/41.17
2	89/41.19
2	102/399
2	244/3.19
2	250/342
2	250/495.1
2	342/174
2	342/25C
2	342/25F
2	342/25R
2	342/45
2	342/52
2	342/64
2	348/117
2	348/135
2	356/152.1
2	382/109
2	473/455
2	701/301

Cross-Reference Classifications

13	342/62
----	--------

11 342/196
10 89/1.11
10 434/19
9 434/21
8 434/20
6 89/41.22
6 244/3.16
6 250/342
6 342/192
6 342/194
6 434/22
5 89/41.17
5 102/211
5 244/3.19
5 250/332
5 342/195
5 342/25C
5 348/164
5 434/16
5 463/5
4 89/41.06
4 102/393
4 244/3.1
4 244/3.14
4 244/3.15
4 250/216
4 342/149
4 342/159
4 342/161
4 342/53
4 342/59
4 342/63
4 356/141.1
4 382/103
4 701/213
3 42/114
3 89/1.815
3 89/1.816
3 89/41.05
3 89/41.09
3 102/293
3 102/384
3 244/3.11
3 244/3.13
3 250/495.1
3 342/160
3 342/61
3 342/67

3 342/97
3 348/121
3 348/169
3 434/18
2 89/134
2 89/41.03
2 89/41.07
2 89/41.15
2 89/41.21
2 102/382
2 102/475
2 102/476
2 102/529
2 114/20.1
2 235/407
2 235/462.49
2 235/472.03
2 244/3.2
2 250/208.1
2 250/330
2 250/334
2 250/493.1
2 250/504R
2 273/348
2 273/348.1
2 273/407
2 273/408
2 324/243
2 340/541
2 340/971
2 342/162
2 342/171
2 342/175
2 342/179
2 342/193
2 342/197
2 342/25A
2 342/357.08
2 342/54
2 342/58
2 342/60
2 342/64
2 342/89
2 342/9
2 342/90
2 342/95
2 345/179
2 345/180

10675596_CLS

2 348/139
2 348/140
2 348/143
2 348/147
2 348/155
2 356/141.3
2 356/153
2 356/3
2 359/13
2 359/337
2 359/795
2 367/131
2 367/136
2 367/8
2 382/224
2 382/293
2 428/919
2 434/17
2 442/391
2 463/47.1
2 463/51
2 463/52
2 473/453
2 473/458
2 701/215

Combined Classifications

16 342/62
16 434/20
16 434/22
15 89/1.11
13 434/19
13 434/21
11 342/196
11 382/103
10 244/3.16
9 89/41.05
8 244/3.15
8 250/342
8 273/348.1
7 89/41.17
7 244/3.14
7 244/3.19
7 342/25C
6 89/41.06
6 89/41.22
6 102/213
6 244/3.11

6 250/332
6 342/179
6 342/192
6 342/194
6 342/90
6 434/11
6 463/5
5 102/211
5 250/495.1
5 342/149
5 342/195
5 342/59
5 348/164
5 434/16
5 701/213
4 89/41.09
4 102/384
4 102/393
4 244/3.1
4 244/3.13
4 250/216
4 342/159
4 342/161
4 342/53
4 342/61
4 342/63
4 342/64
4 342/67
4 348/169
4 356/141.1
4 367/128
3 42/114
3 89/1.56
3 89/1.815
3 89/1.816
3 89/134
3 89/41.03
3 89/41.07
3 89/41.19
3 89/41.21
3 102/293
3 102/399
3 102/476
3 114/20.1
3 244/3.17
3 250/334
3 342/160
3 342/162

3 342/25F
3 342/25R
3 342/52
3 342/95
3 342/97
3 348/121
3 356/141.3
3 367/131
3 367/136
3 434/18
2 42/105
2 42/115
2 42/119
2 73/1.77
2 89/1.51
2 89/200
2 89/40.03
2 89/41.15
2 102/351
2 102/382
2 102/475
2 102/513
2 102/529
2 235/407
2 235/462.49
2 235/472.03
2 244/3.2
2 244/3.21
2 250/208.1
2 250/330
2 250/493.1
2 250/504R
2 273/348
2 273/407
2 273/408
2 324/239
2 324/243
2 340/541
2 340/551
2 340/554
2 340/971
2 342/10
2 342/13
2 342/171
2 342/173
2 342/174
2 342/175
2 342/193

2 342/197
2 342/25A
2 342/26R
2 342/28
2 342/357.06
2 342/357.08
2 342/371
2 342/45
2 342/54
2 342/55
2 342/58
2 342/60
2 342/89
2 342/9
2 342/96
2 342/99
2 343/725
2 343/754
2 345/179
2 345/180
2 348/117
2 348/135
2 348/139
2 348/140
2 348/143
2 348/144
2 348/147
2 348/152
2 348/155
2 356/152.1
2 356/153
2 356/3
2 359/1
2 359/13
2 359/337
2 359/795
2 367/118
2 367/8
2 372/99
2 382/109
2 382/224
2 382/293
2 428/919
2 434/17
2 434/23
2 442/391
2 442/412
2 463/47.1

10675596_CLS

2 463/50
2 463/51
2 463/52
2 473/453
2 473/455
2 473/458
2 701/215
2 701/301
2 703/6
2 703/7

10675596_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10675596 on March 09, 2005

16	342/62	(3 OR, 13 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/61	RETURN SIGNAL CONTROLS EXTERNAL DEVICE
	342/62	.Missile or spacecraft guidance
16	434/20	(8 OR, 8 XR)
	Class	434 : EDUCATION AND DEMONSTRATION
	434/11	ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTING
	434/16	.Gunnery
	434/19	..Gun aiming
	434/20	...Cinematographic or cathode ray screen display
16	434/22	(10 OR, 6 XR)
	Class	434 : EDUCATION AND DEMONSTRATION
	434/11	ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTING
	434/16	.Gunnery
	434/19	..Gun aiming
	434/21	...Training apparatus using beam of infrared, visible light, or ultraviolet radiation
	434/22Beam sensor included in apparatus
15	89/1.11	(5 OR, 10 XR)
	Class	089 : ORDNANCE
	89/1.11	WAGING WAR
13	434/19	(3 OR, 10 XR)
	Class	434 : EDUCATION AND DEMONSTRATION
	434/11	ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTING
	434/16	.Gunnery
	434/19	..Gun aiming
13	434/21	(4 OR, 9 XR)
	Class	434 : EDUCATION AND DEMONSTRATION
	434/11	ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTING

10675596_CLSTITLES

434/16 .Gunnery
 434/19 ..Gun aiming
 434/21 ...Training apparatus using beam of infrared,
 visible light, or ultraviolet radiation

11 342/196 (0 OR, 11 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/195 .Digital processing
 342/196 ..Fast fourier transform (FFT)

11 382/103 (7 OR, 4 XR)
 Class 382 : IMAGE ANALYSIS
 382/100 APPLICATIONS
 382/103 .Target tracking or detecting

10 244/3.16 (4 OR, 6 XR)
 Class 244 : AERONAUTICS
 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL
 244/3.15 .Automatic guidance
 244/3.16 ..Optical (includes infrared)

9 89/41.05 (6 OR, 3 XR)
 Class 089 : ORDNANCE
 89/37.01 MOUNTS
 89/41.01 .Training mechanisms
 89/41.02 ..Motor operated
 89/41.05 ...By television monitoring

8 244/3.15 (4 OR, 4 XR)
 Class 244 : AERONAUTICS
 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL
 244/3.15 .Automatic guidance

8 250/342 (2 OR, 6 XR)
 Class 250 : RADIANT ENERGY
 250/336.1 INVISIBLE RADIANT ENERGY RESPONSIVE ELECTRIC
 SIGNALLING
 250/338.1 .Infrared responsive
 250/340 ..Methods
 250/342 ...Locating infrared emissive objects

8 273/348.1 (6 OR, 2 XR)
 Class 273 : AMUSEMENT DEVICES: GAMES
 273/317 AERIAL PROJECTILE GAME; GAME ELEMENT (E.G.,
 TARGET, ETC.) OR ACCESSORY THEREFOR OTHER

10675596_CLSTITLES

THAN PROJECTOR OR

PROJECTILE, PER SE

273/348 .Target
273/348.1 ..Including heating means (i.e., thermal target)

7 89/41.17 (2 OR, 5 XR)

Class 089 : ORDNANCE

89/37.01 MOUNTS

89/41.01 .Training mechanisms

89/41.17 ..Aiming device mounted on gun

7 244/3.14 (3 OR, 4 XR)

Class 244 : AERONAUTICS

244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL

244/3.11 .Remote control

244/3.14 ..Radio wave

7 244/3.19 (2 OR, 5 XR)

Class 244 : AERONAUTICS

244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL

244/3.15 .Automatic guidance

244/3.19 ..Radio wave

7 342/25C (2 OR, 5 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES

342/25R SYNTHETIC APERTURE RADAR

342/25A .Mapping or imaging using synthetic aperture radar

342/25C ..Combined with monopulse or interferometric

6 89/41.06 (2 OR, 4 XR)

Class 089 : ORDNANCE

89/37.01 MOUNTS

89/41.01 .Training mechanisms

89/41.02 ..Motor operated

89/41.06 ...By light reception

6 89/41.22 (0 OR, 6 XR)

Class 089 : ORDNANCE

89/37.01 MOUNTS

89/41.01 .Training mechanisms

89/41.19 ..Sights or line devices

89/41.22 ...For anti-aircraft

6 102/213 (5 OR, 1 XR)

Class 102 : AMMUNITION AND EXPLOSIVES

10675596_CLSTITLES

102/200	IGNITING DEVICES AND SYSTEMS
102/206	.Ignition or detonation circuit
102/211	..Proximity fuze
102/213	...Light or infrared
6 244/3.11	(3 OR, 3 XR)
Class 244	: AERONAUTICS
244/3.1	MISSILE STABILIZATION OR TRAJECTORY CONTROL
244/3.11	.Remote control
6 250/332	(1 OR, 5 XR)
Class 250	: RADIANT ENERGY
250/330	INFRARED-TO-VISIBLE IMAGING
250/332	.Including detector array
6 342/179	(4 OR, 2 XR)
Class 342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/175	WITH PARTICULAR CIRCUIT
342/176	.Display
342/179	..Image production
6 342/192	(0 OR, 6 XR)
Class 342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/175	WITH PARTICULAR CIRCUIT
342/192	.Spectrum analysis
6 342/194	(0 OR, 6 XR)
Class 342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/175	WITH PARTICULAR CIRCUIT
342/194	.Complex signal (in phase and quadrature)
6 342/90	(4 OR, 2 XR)
Class 342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/73	RETURN SIGNAL CONTROLS RADAR SYSTEM
342/89	.Receiver
342/90	..Automatic target detection
6 434/11	(5 OR, 1 XR)
Class 434	: EDUCATION AND DEMONSTRATION
434/11	ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTIN

G

6 463/5 (1 OR, 5 XR)

10675596_CLSTITLES

Class 463 : AMUSEMENT DEVICES: GAMES
 463/1 INCLUDING MEANS FOR PROCESSING ELECTRONIC DATA
 (E.G., COMPUTER/VIDEO GAME, ETC.)
 463/2 .In a game including a simulated projectile
 (e.g., bullet, missile, ball, puck, etc.)
 463/5 ..Simulated projector with diverse interactive
 target

5 102/211 (0 OR, 5 XR)
 Class 102 : AMMUNITION AND EXPLOSIVES
 102/200 IGNITING DEVICES AND SYSTEMS
 102/206 .Ignition or detonation circuit
 102/211 ..Proximity fuze

5 250/495.1 (2 OR, 3 XR)
 Class 250 : RADIANT ENERGY
 250/493.1 RADIANT ENERGY GENERATION AND SOURCES
 250/494.1 .Plural radiation sources
 250/495.1 ..Including an infrared source

5 342/149 (1 OR, 4 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/147 DETERMINING DIRECTION
 342/149 .Monopulse

5 342/195 (0 OR, 5 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/195 .Digital processing

5 342/59 (1 OR, 4 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/59 PLURAL RADAR

5 348/164 (0 OR, 5 XR)
 Class 348 : TELEVISION
 348/162 RESPONSIVE TO NONVISIBLE ENERGY
 348/164 .Infrared

5 434/16 (0 OR, 5 XR)
 Class 434 : EDUCATION AND DEMONSTRATION
 434/11 ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTIN

G

434/16 .Gunnery

10675596_CLSTITLES

5 701/213 (1 OR, 4 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/200 NAVIGATION
 701/207 .Employing position determining equipment
 701/213 ..Using Global Positioning System (GPS)

4 89/41.09 (1 OR, 3 XR)
 Class 089 : ORDNANCE
 89/37.01 MOUNTS
 89/41.01 .Training mechanisms
 89/41.02 ..Motor operated
 89/41.09 ...Gyroscopically or pendulum controlled

4 102/384 (1 OR, 3 XR)
 Class 102 : AMMUNITION AND EXPLOSIVES
 102/382 DROP BOMBS
 102/384 .With direction controlling means

4 102/393 (0 OR, 4 XR)
 Class 102 : AMMUNITION AND EXPLOSIVES
 102/382 DROP BOMBS
 102/393 .Cluster type

4 244/3.1 (0 OR, 4 XR)
 Class 244 : AERONAUTICS
 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL

4 244/3.13 (1 OR, 3 XR)
 Class 244 : AERONAUTICS
 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL
 244/3.11 .Remote control
 244/3.13 ..Beam rider

4 250/216 (0 OR, 4 XR)
 Class 250 : RADIANT ENERGY
 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
 250/216 .Optical or pre-photocell system

4 342/159 (0 OR, 4 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/159 CLUTTER ELIMINATION

4 342/161 (0 OR, 4 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES

10675596_CLSTITLES

342/159 CLUTTER ELIMINATION

342/160 .MTI (Moving target indicator)

342/161 ..With vehicle movement compensation (e.g.,
AMTI (Airborn MTI))

4 342/53 (0 OR, 4 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/52 COMBINED WITH DIVERSE TYPE RADIANT ENERGY
SYSTEM

342/53 .With infrared device

4 342/61 (1 OR, 3 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE

4 342/63 (0 OR, 4 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE

342/63 .Aircraft guidance

4 342/64 (2 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE

342/63 .Aircraft guidance

342/64 ..With map matching

4 342/67 (1 OR, 3 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE

342/67 .Gun (e.g., fire control)

4 348/169 (1 OR, 3 XR)

Class 348 : TELEVISION

348/169 OBJECT TRACKING

4 356/141.1 (0 OR, 4 XR)

Class 356 : OPTICS: MEASURING AND TESTING

356/138 ANGLE MEASURING OR ANGULAR AXIAL ALIGNMENT

356/140 .Apex of angle at observing or detecting
station

356/141.1 ..With photodetection of reflected beam angle
with respect to a unidirectional source bea

10675596_CLSTITLES

- 4 367/128 (3 OR, 1 XR)
Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
367/118 DISTANCE OR DIRECTION FINDING
367/128 .With electromagnetic wave
- 3 42/114 (0 OR, 3 XR)
Class 042 : FIREARMS
42/90 IMPLEMENTS
42/111 .Sight devices
42/114 ..Focused beam (e.g., laser on target, etc.)
- 3 89/1.56 (2 OR, 1 XR)
Class 089 : ORDNANCE
89/1.51 BOMB, FLARE AND SIGNAL DROPPING
89/1.56 .Electrical and radio releases and sighting
- 3 89/1.815 (0 OR, 3 XR)
Class 089 : ORDNANCE
89/1.8 ROCKET LAUNCHING
89/1.815 .Movable launcher
- 3 89/1.816 (0 OR, 3 XR)
Class 089 : ORDNANCE
89/1.8 ROCKET LAUNCHING
89/1.816 .Having tubular guide means
- 3 89/134 (1 OR, 2 XR)
Class 089 : ORDNANCE
89/125 AUTOMATIC
89/132 .Firing device operation or control (e.g., ful
1 automatic)
89/134 ..Disabled at predetermined angles of fire
- 3 89/41.03 (1 OR, 2 XR)
Class 089 : ORDNANCE
89/37.01 MOUNTS
89/41.01 .Training mechanisms
89/41.02 ..Motor operated
89/41.03 ...Predetermining parameters for automatic
firing
- 3 89/41.07 (1 OR, 2 XR)
Class 089 : ORDNANCE
89/37.01 MOUNTS
89/41.01 .Training mechanisms

10675596_CLSTITLES

	89/41.02	..Motor operated
	89/41.07	...By radar
3	89/41.19	(2 OR, 1 XR)
	Class 089	: ORDNANCE
	89/37.01	MOUNTS
	89/41.01	.Training mechanisms
	89/41.19	..Sights or line devices
3	89/41.21	(1 OR, 2 XR)
	Class 089	: ORDNANCE
	89/37.01	MOUNTS
	89/41.01	.Training mechanisms
	89/41.19	..Sights or line devices
	89/41.21	...On aircraft
3	102/293	(0 OR, 3 XR)
	Class 102	: AMMUNITION AND EXPLOSIVES
	102/293	MISCELLANEOUS
3	102/399	(2 OR, 1 XR)
	Class 102	: AMMUNITION AND EXPLOSIVES
	102/399	MARINE-TYPE PROJECTILE
3	102/476	(1 OR, 2 XR)
	Class 102	: AMMUNITION AND EXPLOSIVES
	102/473	SHELLS
	102/475	.Focused or directed detonation
	102/476	..Shaped charge
3	114/20.1	(1 OR, 2 XR)
	Class 114	: SHIPS
	114/20.1	TORPEDOES
3	244/3.17	(3 OR, 0 XR)
	Class 244	: AERONAUTICS
	244/3.1	MISSILE STABILIZATION OR TRAJECTORY CONTROL
	244/3.15	.Automatic guidance
	244/3.16	..Optical (includes infrared)
	244/3.17	...Optical correlation
3	250/334	(1 OR, 2 XR)
	Class 250	: RADIANT ENERGY
	250/330	INFRARED-TO-VISIBLE IMAGING
	250/334	.Including means for scanning field of view
3	342/160	(0 OR, 3 XR)
	Class 342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS

10675596_CLSTITLES
AND DEVICES

342/159 CLUTTER ELIMINATION
342/160 .MTI (Moving target indicator)

3 342/162 (1 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/159 CLUTTER ELIMINATION
342/160 .MTI (Moving target indicator)
342/162 ..Digital

3 342/25F (2 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/25R SYNTHETIC APERTURE RADAR
342/25A .Mapping or imaging using synthetic aperture
radar
342/25F ..Particular SAR processing techniques (e.g.
squint mode, doppler beam-sharpening mode,
spotlight mode,
bistatic SAR, inverse SAR)

3 342/25R (2 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/25R SYNTHETIC APERTURE RADAR

3 342/52 (2 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/52 COMBINED WITH DIVERSE TYPE RADIANT ENERGY
SYSTEM

3 342/95 (1 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
342/89 .Receiver
342/94 ..Gating
342/95 ...Automatic range tracking

3 342/97 (0 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
342/89 .Receiver
342/94 ..Gating
342/95 ...Automatic range tracking

10675596_CLSTITLES

342/97With automatic lock-on

3 348/121 (0 OR, 3 XR)

Class 348 : TELEVISION
348/61 SPECIAL APPLICATIONS
348/121 .Simulator

3 356/141.3 (1 OR, 2 XR)

Class 356 : OPTICS: MEASURING AND TESTING
356/138 ANGLE MEASURING OR ANGULAR AXIAL ALIGNMENT
356/140 .Apex of angle at observing or detecting
station
356/141.2 ..With photodetection
356/141.3 ...With unidirectional or planar source beam
directed at the photodetecting station

3 367/131 (1 OR, 2 XR)

Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
367/131 UNDERWATER SYSTEM

3 367/136 (1 OR, 2 XR)

Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
367/135 RECEIVER CIRCUITRY
367/136 .Responsive to intruder energy

3 434/18 (0 OR, 3 XR)

Class 434 : EDUCATION AND DEMONSTRATION
434/11 ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTIN

G

434/16 .Gunnery
434/18 ..Gun recoil simulation

2 42/105 (1 OR, 1 XR)

Class 042 : FIREARMS
42/90 IMPLEMENTS
42/105 .For launching grenades

2 42/115 (1 OR, 1 XR)

Class 042 : FIREARMS
42/90 IMPLEMENTS
42/111 .Sight devices
42/114 ..Focused beam (e.g., laser on target, etc.)
42/115 ...Having beam adjusting structure or mounted
for correction

10675596_CLSTITLES

2 42/119 (1 OR, 1 XR)
 Class 042 : FIREARMS
 42/90 IMPLEMENTS
 42/111 .Sight devices
 42/119 ..Telescopic type

2 73/1.77 (1 OR, 1 XR)
 Class 073 : MEASURING AND TESTING
 73/1.01 INSTRUMENT PROVING OR CALIBRATING
 73/1.75 .Angle, direction, or inclination
 73/1.77 ..Gyroscope

2 89/1.51 (1 OR, 1 XR)
 Class 089 : ORDNANCE
 89/1.51 BOMB, FLARE AND SIGNAL DROPPING

2 89/200 (1 OR, 1 XR)
 Class 089 : ORDNANCE
 89/37.01 MOUNTS
 89/41.01 .Training mechanisms
 89/41.19 ..Sights or line devices
 89/200 ...Straight-line light ray type

2 89/40.03 (1 OR, 1 XR)
 Class 089 : ORDNANCE
 89/37.01 MOUNTS
 89/40.01 .For field use
 89/40.03 ..On armored car

2 89/41.15 (0 OR, 2 XR)
 Class 089 : ORDNANCE
 89/37.01 MOUNTS
 89/41.01 .Training mechanisms
 89/41.02 ..Motor operated
 89/41.15 ...With unitary control for plural motors

2 102/351 (1 OR, 1 XR)
 Class 102 : AMMUNITION AND EXPLOSIVES
 102/335 PYROTECHNICS
 102/347 .Rocket
 102/351 ..With means to eject object from casing

2 102/382 (0 OR, 2 XR)
 Class 102 : AMMUNITION AND EXPLOSIVES
 102/382 DROP BOMBS

2 102/475 (0 OR, 2 XR)
 Class 102 : AMMUNITION AND EXPLOSIVES

10675596_CLSTITLES

102/473 SHELLS
102/475 .Focused or directed detonation

2 102/513 (1 OR, 1 XR)
Class 102 : AMMUNITION AND EXPLOSIVES
102/501 PROJECTILES
102/513 .Target marking

2 102/529 (0 OR, 2 XR)
Class 102 : AMMUNITION AND EXPLOSIVES
102/501 PROJECTILES
102/529 .Practice or cleaning

2 235/407 (0 OR, 2 XR)
Class 235 : REGISTERS
235/400 ORDNANCE OR WEAPON SYSTEMS COMPUTER
235/404 .Aiming
235/407 ..Compensating for weapon movement (e.g., tilt

2 235/462.49 (0 OR, 2 XR)
Class 235 : REGISTERS
235/435 CODED RECORD SENSORS
235/439 .Particular sensor structure
235/454 ..Optical
235/462.01 ...Bar code
235/462.43Specified housing or mounting detail
235/462.45Hand-held (e.g., portable)
235/462.49Wand-type reader (e.g., manual scan)

2 235/472.03 (0 OR, 2 XR)
Class 235 : REGISTERS
235/435 CODED RECORD SENSORS
235/439 .Particular sensor structure
235/454 ..Optical
235/472.01 ...Hand-held (e.g., portable)
235/472.03Wand-type reader (e.g., manual scan)

2 244/3.2 (0 OR, 2 XR)
Class 244 : AERONAUTICS
244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL
244/3.15 .Automatic guidance
244/3.2 ..Inertial

2 244/3.21 (1 OR, 1 XR)
Class 244 : AERONAUTICS
244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL

10675596_CLSTITLES

244/3.15 .Automatic guidance
244/3.21 ..Attitude control mechanisms

2 250/208.1 (0 OR, 2 XR)
Class 250 : RADIANT ENERGY
250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
250/206 .Photocell controlled circuit
250/208.1 ..Plural photosensitive image detecting elemen

t

arrays

2 250/330 (0 OR, 2 XR)
Class 250 : RADIANT ENERGY
250/330 INFRARED-TO-VISIBLE IMAGING

2 250/493.1 (0 OR, 2 XR)
Class 250 : RADIANT ENERGY
250/493.1 RADIANT ENERGY GENERATION AND SOURCES

2 250/504R (0 OR, 2 XR)
Class 250 : RADIANT ENERGY
250/493.1 RADIANT ENERGY GENERATION AND SOURCES
250/503.1 .With radiation modifying member
250/504R ..Ultraviolet or infrared source

2 273/348 (0 OR, 2 XR)
Class 273 : AMUSEMENT DEVICES: GAMES
273/317 AERIAL PROJECTILE GAME; GAME ELEMENT (E.G.,
TARGET, ETC.) OR ACCESSORY THEREFOR OTHER

THAN PROJECTOR OR

PROJECTILE, PER SE
273/348 .Target

2 273/407 (0 OR, 2 XR)
Class 273 : AMUSEMENT DEVICES: GAMES
273/317 AERIAL PROJECTILE GAME; GAME ELEMENT (E.G.,
TARGET, ETC.) OR ACCESSORY THEREFOR OTHER

THAN PROJECTOR OR

PROJECTILE, PER SE
273/348 .Target
273/407 ..Target support structure

2 273/408 (0 OR, 2 XR)
Class 273 : AMUSEMENT DEVICES: GAMES
273/317 AERIAL PROJECTILE GAME; GAME ELEMENT (E.G.,
TARGET, ETC.) OR ACCESSORY THEREFOR OTHER

THAN PROJECTOR OR

PROJECTILE, PER SE

10675596_CLSTITLES

273/348 .Target
 273/408 ..Target penetrated by projectile

2 324/239 (1 OR, 1 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/200 MAGNETIC
 324/228 .With means to create magnetic field to test
 material
 324/239 ..Induced voltage-type sensor

2 324/243 (0 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/200 MAGNETIC
 324/228 .With means to create magnetic field to test
 material
 324/239 ..Induced voltage-type sensor
 324/243 ...Plural sensors

2 340/541 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/541 ..Intrusion detection

2 340/551 (1 OR, 1 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/541 ..Intrusion detection
 340/551 ...Disturbance of magnetic field

2 340/554 (1 OR, 1 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/541 ..Intrusion detection
 340/552 ...Disturbance of electromagnetic waves
 340/554Doppler effect

2 340/971 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/945 AIRCRAFT ALARM OR INDICATING SYSTEMS
 340/971 .Nonalarm flight indicator

2 342/10 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/5 RADAR REFLECTOR

10675596_CLSTITLES

342/10 .Inflatable or collapsable

2 342/13 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/13 RADAR EW (ELECTRONIC WARFARE)

2 342/171 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/165 TESTING OR CALIBRATING OF RADAR SYSTEM
 342/169 .By simulation
 342/171 ..Doppler

2 342/173 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/165 TESTING OR CALIBRATING OF RADAR SYSTEM
 342/173 .By monitoring

2 342/174 (2 OR, 0 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/165 TESTING OR CALIBRATING OF RADAR SYSTEM
 342/173 .By monitoring
 342/174 ..Calibrating

2 342/175 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT

2 342/193 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/192 .Spectrum analysis
 342/193 ..Harmonic

2 342/197 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/195 .Digital processing
 342/197 ..With video quantizer

2 342/25A (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS

10675596_CLSTITLES
AND DEVICES

342/25R SYNTHETIC APERTURE RADAR
342/25A .Mapping or imaging using synthetic aperture
 radar

2 342/26R (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/26R Radar for meteorological use

2 342/28 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/27 PRESENCE DETECTION ONLY
 342/28 .By motion detection

2 342/357.06 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.06 ...Using Global Positioning Satellite (GPS or
 Glonass)

2 342/357.08 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.06 ...Using Global Positioning Satellite (GPS or
 Glonass)
 342/357.08 Determining relative position (e.g.,
 distance or direction)

2 342/371 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/368 .Including a steerable array
 342/371 ..With electronic scanning

2 342/45 (2 OR, 0 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/42 RADAR TRANSPONDER SYSTEM
 342/45 .IFF or SIF

10675596_CLSTITLES

2	342/54	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/52	COMBINED WITH DIVERSE TYPE RADIANT ENERGY SYSTEM
	342/54	.With laser
2	342/55	(1 OR, 1 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/52	COMBINED WITH DIVERSE TYPE RADIANT ENERGY SYSTEM
	342/55	.With television
2	342/58	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/52	COMBINED WITH DIVERSE TYPE RADIANT ENERGY SYSTEM
	342/58	.With transmission to a remote station
2	342/60	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/60	TRANSMITTING INTELLIGENCE
2	342/89	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/73	RETURN SIGNAL CONTROLS RADAR SYSTEM
	342/89	.Receiver
2	342/9	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/5	RADAR REFLECTOR
	342/7	.Corner
	342/9	..Decoy or tow target
2	342/96	(1 OR, 1 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/73	RETURN SIGNAL CONTROLS RADAR SYSTEM
	342/89	.Receiver
	342/94	..Gating
	342/95	...Automatic range tracking
	342/96Automatic track while scan (ATWS)

10675596_CLSTITLES

2	342/99	(1 OR, 1 XR)	
	Class	342 :	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/73		RETURN SIGNAL CONTROLS RADAR SYSTEM
	342/89		.Receiver
	342/98		..Frequency
	342/99		...Doppler frequency tracking
2	343/725	(1 OR, 1 XR)	
	Class	343 :	COMMUNICATIONS: RADIO WAVE ANTENNAS
	343/700R		ANTENNAS
	343/725		.Plural separate diverse type
2	343/754	(1 OR, 1 XR)	
	Class	343 :	COMMUNICATIONS: RADIO WAVE ANTENNAS
	343/700R		ANTENNAS
	343/753		.With spaced or external radio wave refractor (e.g., lens)
	343/754		..With scanning, sweeping, or orienting
2	345/179	(0 OR, 2 XR)	
	Class	345 :	COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY
			SYSTEMS
	345/156		DISPLAY PERIPHERAL INTERFACE INPUT DEVICE
	345/179		.Stylus
2	345/180	(0 OR, 2 XR)	
	Class	345 :	COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY
			SYSTEMS
	345/156		DISPLAY PERIPHERAL INTERFACE INPUT DEVICE
	345/180		.Light pen for CRT display
2	348/117	(2 OR, 0 XR)	
	Class	348 :	TELEVISION
	348/61		SPECIAL APPLICATIONS
	348/113		.Navigation
	348/117		..Aircraft or spacecraft
2	348/135	(2 OR, 0 XR)	
	Class	348 :	TELEVISION
	348/61		SPECIAL APPLICATIONS
	348/135		.Object or scene measurement

10675596_CLSTITLES

- 2 348/139 (0 OR, 2 XR)
 - Class 348 : TELEVISION
 - 348/61 SPECIAL APPLICATIONS
 - 348/135 .Object or scene measurement
 - 348/139 ..Multiple cameras on baseline (e.g., range finder, etc.)

- 2 348/140 (0 OR, 2 XR)
 - Class 348 : TELEVISION
 - 348/61 SPECIAL APPLICATIONS
 - 348/135 .Object or scene measurement
 - 348/140 ..Distance by apparent target size (e.g., stadia, etc.)

- 2 348/143 (0 OR, 2 XR)
 - Class 348 : TELEVISION
 - 348/61 SPECIAL APPLICATIONS
 - 348/143 .Observation of or from a specific location (e.g., surveillance)

- 2 348/144 (1 OR, 1 XR)
 - Class 348 : TELEVISION
 - 348/61 SPECIAL APPLICATIONS
 - 348/143 .Observation of or from a specific location (e.g., surveillance)
 - 348/144 ..Aerial viewing

- 2 348/147 (0 OR, 2 XR)
 - Class 348 : TELEVISION
 - 348/61 SPECIAL APPLICATIONS
 - 348/143 .Observation of or from a specific location (e.g., surveillance)
 - 348/144 ..Aerial viewing
 - 348/147 ...With transformation or rectification

- 2 348/152 (1 OR, 1 XR)
 - Class 348 : TELEVISION
 - 348/61 SPECIAL APPLICATIONS
 - 348/143 .Observation of or from a specific location (e.g., surveillance)
 - 348/152 ..Intrusion detection

- 2 348/155 (0 OR, 2 XR)
 - Class 348 : TELEVISION
 - 348/61 SPECIAL APPLICATIONS
 - 348/143 .Observation of or from a specific location (e.g., surveillance)
 - 348/152 ..Intrusion detection

10675596_CLSTITLES
348/155 ...Motion detection

2 356/152.1 (2 OR, 0 XR)
Class 356 : OPTICS: MEASURING AND TESTING
356/138 ANGLE MEASURING OR ANGULAR AXIAL ALIGNMENT
356/152.1 .With photodetection remote from measured angl

e

2 356/153 (0 OR, 2 XR)
Class 356 : OPTICS: MEASURING AND TESTING
356/138 ANGLE MEASURING OR ANGULAR AXIAL ALIGNMENT
356/153 .Alignment of axes nominally coaxial

2 356/3 (0 OR, 2 XR)
Class 356 : OPTICS: MEASURING AND TESTING
356/3 RANGE OR REMOTE DISTANCE FINDING

2 359/1 (1 OR, 1 XR)
Class 359 : OPTICS: SYSTEMS
359/1 HOLOGRAPHIC SYSTEM OR ELEMENT

2 359/13 (0 OR, 2 XR)
Class 359 : OPTICS: SYSTEMS
359/1 HOLOGRAPHIC SYSTEM OR ELEMENT
359/13 .Head up display

2 359/337 (0 OR, 2 XR)
Class 359 : OPTICS: SYSTEMS
359/333 OPTICAL AMPLIFIER
359/337 .Correction of deleterious effects

2 359/795 (0 OR, 2 XR)
Class 359 : OPTICS: SYSTEMS
359/642 LENS
359/754 .Multiple component lenses
359/793 ..Two components
359/795 ...+ - Arrangement

2 367/118 (1 OR, 1 XR)
Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
367/118 DISTANCE OR DIRECTION FINDING

2 367/8 (0 OR, 2 XR)
Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
367/7 ACOUSTIC IMAGE CONVERSION

367/8 10675596_CLSTITLES
.Acoustic holography

2 372/99 (1 OR, 1 XR)
Class 372 : COHERENT LIGHT GENERATORS
372/92 PARTICULAR RESONANT CAVITY
372/98 .Specified cavity component
372/99 ..Reflector

2 382/109 (2 OR, 0 XR)
Class 382 : IMAGE ANALYSIS
382/100 APPLICATIONS
382/109 .Seismic or geological sample measuring

2 382/224 (0 OR, 2 XR)
Class 382 : IMAGE ANALYSIS
382/181 PATTERN RECOGNITION
382/224 .Classification

2 382/293 (0 OR, 2 XR)
Class 382 : IMAGE ANALYSIS
382/276 IMAGE TRANSFORMATION OR PREPROCESSING
382/293 .Changing the image coordinates

2 428/919 (0 OR, 2 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/919 CAMOUFLAGED ARTICLE

2 434/17 (0 OR, 2 XR)
Class 434 : EDUCATION AND DEMONSTRATION
434/11 ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTIN

G

434/16 .Gunnery
434/17 ..Gunfire spotting

2 434/23 (1 OR, 1 XR)
Class 434 : EDUCATION AND DEMONSTRATION
434/11 ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTIN

G

434/16 .Gunnery
434/19 ..Gun aiming
434/23 ...Means (e.g., target, terrain model, etc.)
marked or pierced to simulate projectile im

pact point

2 442/391 (0 OR, 2 XR)
Class 442 : FABRIC

10675596_CLSTITLES

R 442/327 NONWOVEN FABRIC (I.E., NONWOVEN STRAND OR FIBER MATERIAL)

442/381 .Including an additional nonwoven fabric

442/391 ..Multiple nonwoven fabric layers composed of the same inorganic strand or fiber material

2 442/412 (1 OR, 1 XR)
Class 442 : FABRIC
442/327 NONWOVEN FABRIC (I.E., NONWOVEN STRAND OR FIBER MATERIAL)

R 442/412 .Including a paper layer

2 463/47.1 (0 OR, 2 XR)
Class 463 : AMUSEMENT DEVICES: GAMES
463/47.1 FENCING

2 463/50 (1 OR, 1 XR)
Class 463 : AMUSEMENT DEVICES: GAMES
463/49 SIMULATED-PROJECTILE GAME, TARGET THEREFOR, OR ACCESSORY
463/50 .Plural simulated projectors (e.g., tennis, shoot-out, dual, etc.)

2 463/51 (0 OR, 2 XR)
Class 463 : AMUSEMENT DEVICES: GAMES
463/49 SIMULATED-PROJECTILE GAME, TARGET THEREFOR, OR ACCESSORY
463/51 .Electromagnetic ray simulates projectile or its path, or utilized for coincidence detection (e.g., light-ray gun, infrared aim detector, etc.)

2 463/52 (0 OR, 2 XR)
Class 463 : AMUSEMENT DEVICES: GAMES
463/49 SIMULATED-PROJECTILE GAME, TARGET THEREFOR, OR ACCESSORY
463/51 .Electromagnetic ray simulates projectile or its path, or utilized for coincidence detection (e.g., light-ray gun, infrared aim detector, etc.)

) 463/52 ..Having active target (e.g., moving target, "hit" responsive, etc.)

10675596_CLSTITLES

2 473/453 (0 OR, 2 XR)

Class 473 : GAMES USING TANGIBLE PROJECTILE
473/415 PLAYING FIELD OR COURT GAME; GAME ELEMENT OR
ACCESSORY THEREFOR OTHER THAN PROJECTOR

OR PROJECTILE, PER

SE

473/422 .Practice or training device
473/451 ..For game in which play involves base running
(e.g., for baseball, cricket, etc.)
473/453 ...Bat swing analyzer or guide

2 473/455 (2 OR, 0 XR)

Class 473 : GAMES USING TANGIBLE PROJECTILE
473/415 PLAYING FIELD OR COURT GAME; GAME ELEMENT OR
ACCESSORY THEREFOR OTHER THAN PROJECTOR

OR PROJECTILE, PER

SE

473/422 .Practice or training device
473/451 ..For game in which play involves base running
(e.g., for baseball, cricket, etc.)
473/454 ...Pitcher`s target
473/455With electrically operated or actuated
indicator

2 473/458 (0 OR, 2 XR)

Class 473 : GAMES USING TANGIBLE PROJECTILE
473/415 PLAYING FIELD OR COURT GAME; GAME ELEMENT OR
ACCESSORY THEREFOR OTHER THAN PROJECTOR

OR PROJECTILE, PER

SE

473/422 .Practice or training device
473/451 ..For game in which play involves base running
(e.g., for baseball, cricket, etc.)
473/458 ...Player worn or carried

2 701/215 (0 OR, 2 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/200 NAVIGATION

701/207 .Employing position determining equipment

701/213 ..Using Global Positioning System (GPS)

701/214 ...Means to improve accuracy of position or
location

701/215Having multiple GPS antennas or receivers
(e.g., differential GPS)

2 701/301 (2 OR, 0 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND

		10675596_CLSTITLES
		RELATIVE LOCATION
	701/300	RELATIVE LOCATION
	701/301	.Collision avoidance
2	703/6	(1 OR, 1 XR)
	Class	703 : DATA PROCESSING: STRUCTURAL DESIGN,
		MODELING, SIMULATION, AND EMULATION
	703/6	SIMULATING NONELECTRICAL DEVICE OR SYSTEM
2	703/7	(1 OR, 1 XR)
	Class	703 : DATA PROCESSING: STRUCTURAL DESIGN,
		MODELING, SIMULATION, AND EMULATION
	703/6	SIMULATING NONELECTRICAL DEVICE OR SYSTEM
	703/7	.Mechanical

ability 1
 above 1
 abstract 1
 accomplishes 2
 accordingly 2
 accurate 1
 achieve 1
 achieved 1
 acquisition 1
 activated 1
 active 2
 activity 1
 addition 1
 adivated 1
 afford 1
 against 1
 agile 7
 airborne 1
 al 2
 alarms 2
 alerting 1
 algorithms 1
 all 3
 allow 3
 already 2
 also 6
 alternative 1
 although 1
 amenable 1
 among 4
 ampc 1
 an 3
 and 56
 any 6
 aperture 3
 apparent 1
 appended 1
 applicants 3
 application 2
 applications 1
 appropriate 1
 are 12
 area 1
 arrowheads 2
 art 1
 article 3
 as 9
 at 4

atmospheric 1
atr 20
automatic 3
autonomous 2
available 7
avoid 1
background 2
band 1
base 1
based 2
battlefields 1
be 16
because 4
been 1
being 1
best 1
better 1
between 5
both 8
built 1
by 16
bypassed 1
camouflage 1
can 9
capabilities 2
capability 1
capable 4
cc 1
center 17
changeable 1
claims 1
classification 2
classiscation 1
clause 1
climatic 1
clouds 2
clutter 4
co 1
collected 3
combinations 2
common 1
communicate 2
communicating 1
communication 3
compatible 1
compressed 1
comprised 3
comprising 2

condition 1
conditions 5
conference 1
configuration 1
confirms 1
confusers 1
consequence 1
consists 1
continue 1
control 15
converting 1
coordinate 1
coordinates 1
correct 1
correction 1
costantini 1
costs 1
counter 1
criteria 1
data 3
database 6
date 1
decompresses 1
dedicatory 1
deemed 1
defined 2
departing 1
depicted 1
deployed 1
derived 2
described 4
description 2
descriptive 1
designation 1
desirable 1
desired 1
destnlctive 1
destroying 3
destruction 2
detect 1
detected 3
detection 1
determined 1
diagram 1
different 5
direct 2
disclosure 1
discover 1

discrimination 2
dissimilar 1
distorted 1
docket 1
dotted 1
down 1
downlinked 1
drawing 3
during 1
each 2
effects 1
either 4
electro 6
electromagnetic 1
eliminate 1
eliminated 1
elimination 1
embodiment 4
embodiments 1
emerge 1
encompassing 2
engagements 2
entail 1
environment 1
environmental 1
equipped 2
established 1
establishing 1
et 2
even 1
eventually 1
example 1
except 1
excluding 1
exist 1
existing 1
extent 1
fair 4
false 2
features 2
figure 11
figures 3
filing 1
filter 1
first 4
fixed 1
fog 1
for 22

foregoing 1
form 3
formatted 1
foul 6
from 8
function 1
functionality 1
functioning 1
further 1
fused 1
fusing 2
fusion 3
future 1
general 1
given 1
government 1
governmental 1
great 1
greatest 2
group 3
groups 1
gurable 2
hand 1
has 2
have 1
having 5
help 1
herein 3
hereto 1
heretofor 1
high 1
higher 1
highest 1
highly 1
holds 1
however 1
hsi 1
hsu 2
hyperspectral 4
identification 1
ieee 2
if 2
illustrated 3
illustrates 1
image 3
imagery 3
images 3
improved 1

in 38
include 1
includes 1
incorporated 2
indicated 1
information 9
interest 2
into 1
invention 5
inventors 1
irrelevant 1
is 42
it 7
its 3
itself 1
kind 2
knowledge 3
known 3
laser 3
latency 1
launched 1
least 2
level 1
lf 1
licensed 1
like 2
likelihood 1
likely 1
likewise 1
limitations 2
limited 2
lines 2
linked 1
little 1
ln 1
lnvention 1
located 2
location 4
locations 1
lower 1
lt 1
made 1
maintain 1
makes 1
manufactured 1
many 3
mario 1
match 1

matching 1
material 1
materials 1
may 8
means 24
method 3
metrics 1
minimize 1
minimizes 1
misclassifications 1
mobile 1
modifications 1
most 6
mounted 2
multi 6
multiple 5
must 3
necessity 1
need 2
new 2
no 2
non 1
not 1
noted 1
now 1
number 2
numbers 1
object 1
obscured 1
of 74
offers 1
often 1
oftheinvention 1
on 18
one 2
only 1
onto 1
operate 1
operation 1
optical 6
optimize 1
or 21
other 1
others 1
over 2
page 8
pages 2
part 1

particular 2
particularly 1
partitioned 1
parts 1
passive 2
paths 1
pattern 2
payment 1
performance 3
performed 1
performs 2
period 1
pertains 1
pittman 1
placed 1
platform 9
platforms 1
plural 1
poor 1
position 2
positioned 1
possessing 2
possible 2
potential 6
potentially 1
practical 1
pre 1
precision 4
predicted 1
preferred 1
presented 1
primary 10
proceedings 1
process 1
processed 2
processes 2
processing 2
produces 1
proper 1
provide 1
provided 1
purely 1
purposes 1
quantified 1
radar 4
radars 2
radiance 1
rain 1

rapid 7
real 4
receipt 3
receiving 2
recognition 5
recognizer 1
recon 2
reconfigurable 2
reconfigurable 1
reconfigurable 5
reconfigured 1
record 1
refer 1
reference 2
references 1
referred 1
reformats 1
regions 1
registering 1
relative 4
renectance 1
represent 3
require 1
required 1
requirement 1
resident 3
resolution 4
resolutions 1
respectively 2
response 1
restricted 1
result 1
retraining 7
reusable 1
rhe 1
richard 1
robustness 2
royalties 1
salk 1
same 3
sar 11
scene 8
scnsoiy 1
scope 2
second 4
secondary 8
selected 7
selects 1

sense 1
sensed 2
sensing 23
sensor 10
sensors 19
serial 1
sets 1
several 4
short 1
should 1
shown 1
shows 5
signal 1
signature 9
signatures 2
similar 1
sims 1
simultaneous 2
simultaneously 1
since 2
singular 1
skilled 1
so 4
solid 1
some 4
spatial 3
specifc 1
specific 3
specisc 1
spectra 1
spectral 6
spirit 1
strategically 2
strike 3
strikes 1
su 1
substantial 1
substitution 1
succeed 1
success 1
successfully 2
such 5
suitability 1
summary 1
surveillance 16
surveilling 2
surveils 1
synthetic 4

system 16
 systems 2
 target 52
 targets 13
 taught 2
 techniques 1
 terrain 2
 that 15
 the 192
 their 1
 therearer 1
 therefore 1
 therein 1
 thereon 2
 these 2
 this 11
 those 1
 through 7
 time 3
 timeline 2
 tisar 1
 title 1
 tlexibility 2
 to 37
 together 1
 topography 1
 toward 1
 training 2
 trajectory 6
 transfer 1
 transformation 1
 transmits 1
 transmitted 1
 transmitting 2
 true 1
 turn 1
 two 1
 type 4
 types 3
 typically 1
 ultimately 2
 unintended 1
 unknown 1
 update 2
 updates 2
 updating 2
 upon 2
 us 1

use 5
used 4
useful 2
using 5
usually 1
utilize 1
utilizing 1
various 7
varying 1
very 1
virtually 1
vol 1
wasteful 1
way 1
weapon 18
weaponry 2
weapons 18
weather 23
well 1
wepon 1
when 3
wherein 6
which 3
while 1
william 1
with 10
without 2
world 2
would 1
zero 1